# Risk to Mission

| HAZARD / THREAT | ASSESSED RAC | RISK CONTROLS & MITIGATION | REVISED RAC | SUPERVISION |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 -CRITICAL
2 -SERIOUS
3 -MODERATE
4 -MINOR
5 -NEGLIGIBLE

# Risk to Force

| HAZARD / THREAT | ASSESSED RAC | RISK CONTROLS & MITIGATION | REVISED RAC | SUPERVISION |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 -CRITICAL

2 -SERIOUS

3 -MODERATE

4 -MINOR

5 -NEGLIGIBLE

# Risk to Mission

| HAZARD / THREAT | ASSESSED RAC | RISK CONTROLS & MITIGATION | REVISED RAC | SUPERVISION |
|---|---|---|---|---|
| Hazard | A,I = 1 | •Control<br>•Control | D,I = 3 | •Monitor<br>•Supervise |
| | A,II = 1 | | C,II = 3 | |
| * For this template only, all RACs are illustrated in order to copy and paste | B,I = 1 | ** The HIGHEST (most critical) RAC should be listed first for brief standardization | B,IV = 4 | |
| | A,III = 2 | | C,III = 4 | |
| | B,II = 2 | | D,II = 4 | |
| | C,I = 2 | | C,IV = 5 | |
| | B,III = 3 | | D,III = 5 | |
| | A,IV = 3 | | D,IV = 5 | |

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

Probability

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 -CRITICAL

2 -SERIOUS

3 -MODERATE

4 -MINOR

5 -NEGLIGIBLE

# ORM Slide - Guide

**Briefs requiring ORM will include a minimum of TWO slides: Risk to Mission and Risk to Force (Mission slide ALWAYS first)**

**The HIGHEST (most critical) RAC should be listed first for brief standardization**

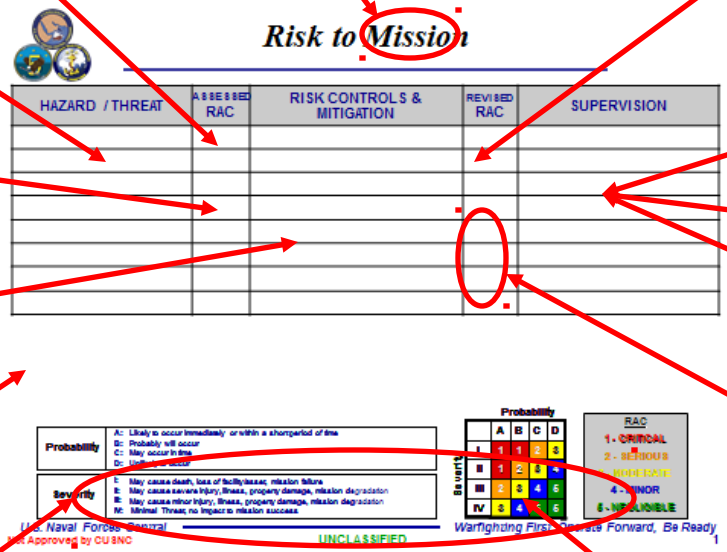
**List Hazard – one to each table cell**

**List the Risk Assessment Code (RAC) for each Hazard**

**List Controls used to mitigate each Hazard. Units should establish a Lessons Learned & Best Practices repository.**

**The table will word wrap your input – use additional slides or delete rows**

**Do not change the format of the ORM key – it is imbedded as an object and should not be moved or altered**




**After evaluating the expected effects of the selected controls, re-assess the remaining risk and determine a REVISED RAC**

**SUPERVISION**

- **What supervisory actions will mitigate the RESIDUAL (accepted) risk? ID the individuals required to satisfactorily supervise.**
- **How will you monitor risk control implementation?**
- **How will you assess effectiveness of controls put in place?**

**In the template, all possible RAC values are illustrated to copy and paste**

**An overall RAC or Risk evaluation is not desired. HOWEVER, if one is noted, it should be the HIGHEST RAC identified**

# ORM Slide & Brief Tools

- **Use the following to copy and paste RACs:**

| | |
|---|---|
| A,I = 1 | C,I = 2 |
| A,II = 1 | C,II = 3 |
| A,III = 2 | C,III = 4 |
| A,IV = 3 | C,IV = 5 |
| B,I = 1 | D,I = 3 |
| B,II = 2 | D,II = 4 |
| B,III = 3 | D,III = 5 |
| B,IV = 4 | D,IV = 5 |

- **The Risk Matrix information below is grouped into a single object to copy and paste:**

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 -CRITICAL
2 -SERIOUS
3 -MODERATE
4 -MINOR
5 -NEGLIGIBLE

# *Lessons Learned*

- **CSG-4 recommends a slide with incorporated Lessons Learned clearly stated**
- **Assessment Cell recommendations for a particular event should also be included**

# *Example of Unit Seam Analysis*

# Context and Desired Outcomes

## Context / Assumptions

- Conduct an inbound, daytime transit passage of the Beryl Strait on DDMMMYY
- Posture is *Maintain*
- Reviewed Beryl Strait (BS) Lessons Learned:
  - –USS Ship BS Inbound (DDMMMYY)
  - –USS Ship BS Inbound (DDMMMYY)
  - –USS Ship BS Outbound (DDMMMYY)
  - –USS Ship BS Outbound (DDMMMYY)
  - –CSG Inbound (DDMMMYY)
  - –CSG Outbound (DDMMMYY)
  - –USS Ship BS Outbound (DDMMMYY)

## Desired Outcomes

- Professional, safe ingress of BS without escalation of tensions

# Risk to Mission - LFE

| HAZARD / THREAT | ASSESSED RAC | RISK CONTROLS & MITIGATION | REVISED RAC | SUPERVISION |
|---|---|---|---|---|
| Range Fouled | C, I = 2 | • Range visually, electronically, and acoustically cleared<br>• Multiple paths to communicate with foulers<br>• PMAP conducted<br>• Security calls on BTB Ch 16<br>• MH-60R airborne for range clearance | D, 1 = 3 | • CO/XO supervision from controlling stations<br>• Watch teams supervisors on station (TAO, CIC Watch Sup, OOD) |
| Combat Systems Casualty | C, I = 2 | • Combat Systems Configurations<br>• Proper maintenance performed | D, 1 = 3 | • CO<br>• CSO<br>• TAO / PWO |
| Poor Visibility / Sea State | C, III = 4 | • Safety Brief provided to all watchstanders<br>• Safety observers on station<br>• METOC providing real-time forecasting<br>• No-Go criteria understood and complied with<br>• Lookouts on station in proper attire<br>• Ability to delay event | D, III = 5 | • CO/XO supervision from controlling stations<br>• OOD |

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 -CRITICAL
2 -SERIOUS
3 -MODERATE
4 -MINOR
5 -NEGLIGIBLE

# Risk to Mission – Strait Transit

| HAZARD/THREAT | ASSESSED RAC | RISK CONTROLS & MITIGATION | REVISED RAC | SUPERVISION |
|---|---|---|---|---|
| Weapon Mishap | C,I = 2 | • Maintain proper weapons posture<br>• Procedural compliance<br>• WEPS dept head verify only ammo on station; not loaded into weapons | D,I = 3 | • Mount Captains oversight of weapons/ammo handling<br>• Two person integrity on weapons checks<br>• Training/procedural reviews |
| Collision | C,I = 2 | • All topside maintain continuous lookout<br>• Use of radar and EO/IR<br>• Clear comms, decisive maneuvering<br>• Comply with COLREGS Rules of the Road<br>• Comply with Bail Out Plan<br>• Strict adherence to CONOPS<br>• Past training events (GRUSAIL, C2X) | D,I = 3 | • CO/XO supervision<br>• Bridge/CIC Watch stander coordination<br>• Maintain and enforce communications |
| Submarine Attack | C,I = 2 | • I & W of activity<br>• Established PPRs | D,I = 3 | • TAO executing PPRs<br>• I/Q providing updates<br>• Communications with CTF |
| Small Boat Attack | D,I = 3 | • CSW mounts manned<br>• Armed Helo Escort<br>• Minimize personnel on deck | D,II = 4 | • CO/XO supervision<br>• Bridge/CIC Watch stander coordination<br>• Maintain and enforce communications<br>• FPO maintaining centralized comms |
| Low Slow Flyer Attack | D,I = 3 | • Utilize all assets for area surveillance/I&W<br>• Maintain RAP<br>• LASSO appropriate asset<br>• Execute PPRs<br>• Prior training events (GRUSAIL, C2X) | D,II = 4 | • W: OPTASK AMD<br>• CTPM<br>• Maintain Self Defense (CO) |

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 -CRITICAL
2 -SERIOUS
3 -MODERATE
4 -MINOR
5 -NEGLIGIBLE

# Risk to Mission – Port Entrance

| HAZARD / THREAT | Assessed RAC | RISK CONTROLS & MITIGATION | Revised RAC | SUPERVISION |
|---|---|---|---|---|
| Obstructed Channel / Port Entrance | C,I = 2 | • EOD / Diver sweep of entrance prior<br>• Early Det observations of port<br>• Pilot pickup MH-60S scout of channel | D, I = 3 | • CO / OPSO / CDO<br>• SECO / CMAA<br>• NCIS / Host nation Port Authority<br>• MH-60S aircrew |
| ECP Penetration | C,I = 2 | • Armed Sentries and HN police<br>• ECP funnels all personnel through one chokepoint<br>• Flight deck overwatch of ECP | D, I = 3 | • CO / CDO<br>• ATTWO / SECO<br>• COG |
| Surveillance (Land) | A,IV = 3 | • Sentries / watchstanders / crewmembers<br>• ATTWO on bridge<br>• Watch stander training<br>• In port PPRs | B,IV = 4 | • CO / CDO / ATTWO / SECO<br>• COG<br>• Mount Captains |
| Protest | C,III = 4 | • Sentries / HN police<br>• Reactionary Force onboard<br>• Watch stander training<br>• In port PPRs | D, III = 5 | • CO / CDO<br>• ATTWO / SECO<br>• COG |

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

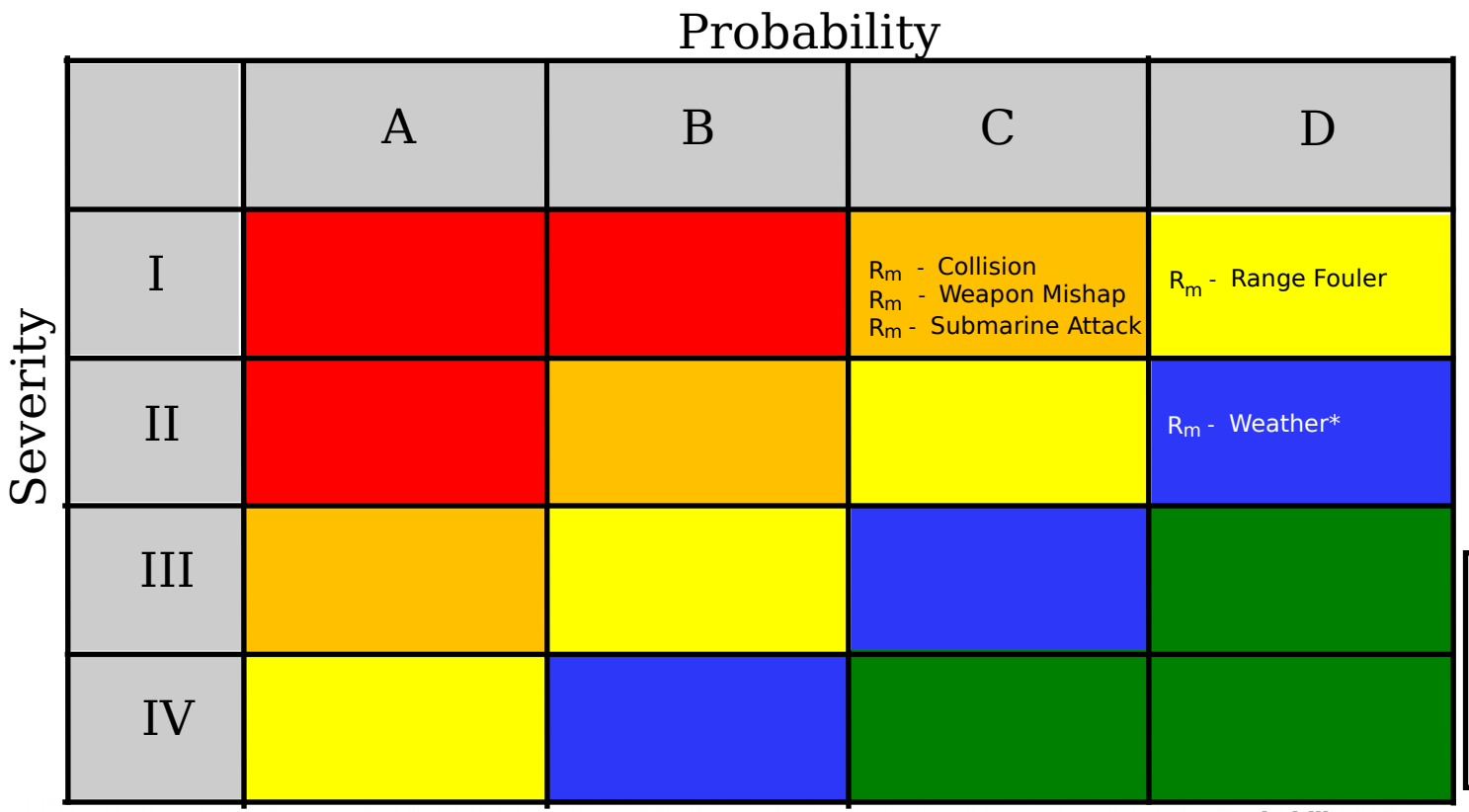
**RAC**

1 -CRITICAL
2 -SERIOUS
3 -MODERATE
4 -MINOR
5 -NEGLIGIBLE

# Seam Analysis

| MISSION | MAXIMUM RESIDUAL RISK | RISK CONTROLS & MITIGATION | SEAM ANALYSIS |
|---|---|---|---|
| LFE | Range Fouled - D, I = 3 | • Range visually, electronically, and acoustically cleared<br>• Multiple paths to communicate with foulers<br>• PMAP conducted<br>• Security calls on BTB Ch 16<br>• MH-60R airborne for range clearance | - None. Not completing event will not impact follow-on transit and port visit (just an example, perhaps it does affect readiness down the road if they don't shoot). |
| LFE | Cmbt Sys Casualty – D, 1 =3 | • Combat Systems Configurations<br>• Proper maintenance performed | -Possible spillover to Strait Transit<br>•RMP/RAP<br>•Collision<br>•Delay port entry |
| Strait Transit | Weapon Mishap – C, I = 2 | • Maintain proper weapons posture<br>• Procedural compliance<br>• WEPS dept head verify only ammo on station; not loaded into weapons | -Potential to delay arrival (MEDEVAC, etc) |
| Strait Transit | Collision - C, I = 2 | • All topside maintain continuous lookout<br>• Use of radar and EO/IR<br>• Clear comms, decisive maneuvering<br>• Comply with COLREGS Rules of the Road<br>• Comply with Bail Out Plan<br>• Strict adherence to CONOPS<br>• Past training events (GRUSAIL, C2X) | -Major impact to completion of transit and on-time arrival in port |
| Strait Transit | Sub Attack - C, I = 2 | • I & W of activity<br>• Established PPRs | -Major impact to completion of transit and on-time arrival in port |
| Port Entrance | Obstructed Channel / Port Entrance - C, I = 2 | • EOD / Diver sweep of entrance prior<br>• Early Det observations of port<br>• Pilot pickup MH-60S scout of channel | -Major impact to completion of transit and on-time arrival in port |

# (U) Risk to Mission / Force Overall: Serious




$R_m$ = Risk to Mission
$R_f$ = Risk to Force

* Include elements of both risk to mission and risk to force

| | |
|---|---|
| **Probability** | **A:** Likely to occur immediately or within a short period of time<br>**B:** Probably will occur<br>**C:** May occur in time<br>**D:** Unlikely to occur |
| **Severity** | **I:** May cause death, loss of facility/asset, mission failure<br>**II:** May cause severe injury, illness, property damage, mission degradation<br>**III:** May cause minor injury, illness, property damage, mission degradation<br>**IV:** Minimal Threat, no impact to mission success |

**Probability**

| Severity | A | B | C | D |
|---|---|---|---|---|
| I | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 |
| III | 2 | 3 | 4 | 5 |
| IV | 3 | 4 | 5 | 5 |

**RAC**

1 - CRITICAL
2 - SERIOUS
3 - MODERATE
4 - MINOR
5 - NEGLIGIBLE